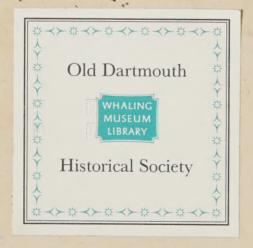
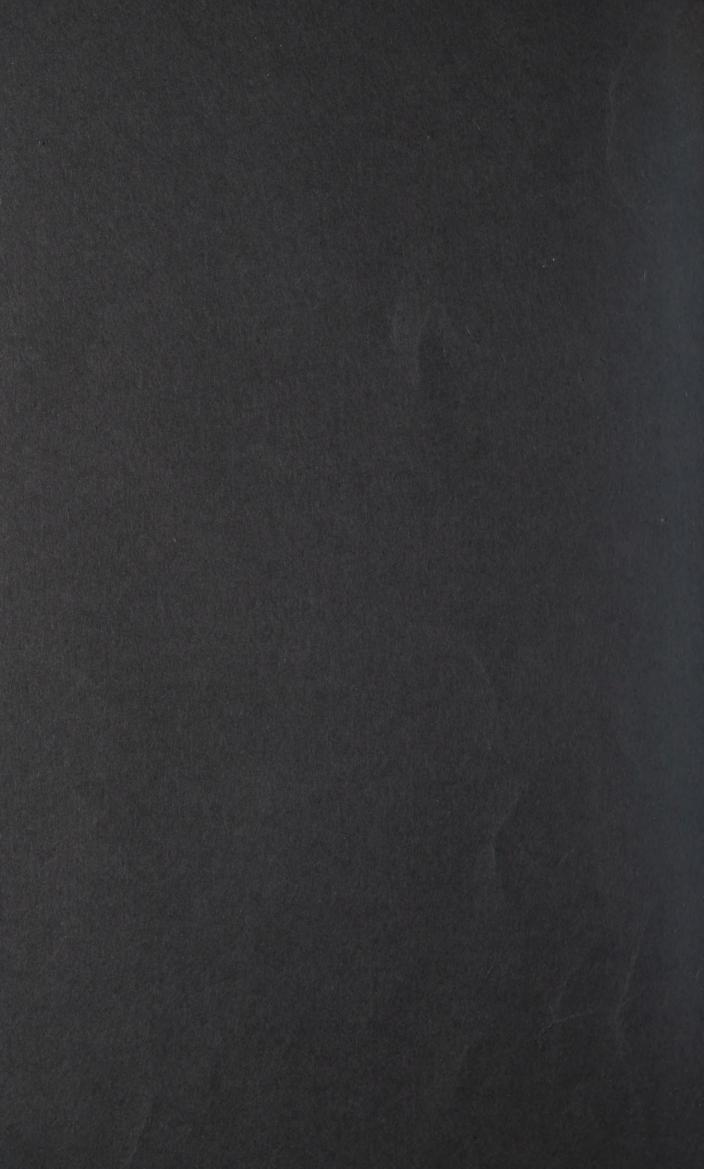


THE ANDREW SNOW, JR. COLLECTION



Mulman J. Church Cheens Dereiman Theeman Threeman Payletipe of Moratio Shurch Monatio Le Church July 20 1/834.



This Harchese Outwerr Front Parkage Norman's Land, Bur W Toy Edistants miles Harch First Parish Prince from the N.W. Er July thering of & the watch Englose Vin ship Luty middle and Lutter perts the seen but by blo 40.20 North Manch First part light winds from the W. W. IN. Middle part Mach the same Latter part the Hands from I by Il Steering Cast 40.20 Saturday First part of this 24 hours a the 24 Sunday Vist part Strong Bruces from the Hest alt the 15 at 6 Pm Harry weather middle part Heather clear Long by Dlo 64 " 10 10 Le Monday First part Strong Breezes from H'à A Steering march Cby & the ship under all sail the westel The 6 Googs longed in she selecty middle and Latter parts Light winds and foggy weather Lang by D.R 68. 30 11 Jud day first part light winds and foggy weather from March The S.S. Il Steering East the ship under all sail the 17 The watch enoployed in ships duty middle frest Light winds and foggy Latter- part Brist Breeze From the Las. W Lat by Mr 41.15 horth

Remarks On Board of the Ship Haccules Wednesday First part fresh Breues from the South Steering march best the ship under all sail the watch Employe M. M. W at 11 middle part the winds hauled into the at 12 doubled reift the topsuits Latter part heavy Gale from the Nby Wo cit 4 A In clase rafe the Suprails Lat by Obs 42 the front long by 2 t 56 0 Thursday First part heavy Gales from the harth by Il Sturing March bast by of under close very topsuita and foresail The 29 At 4 Pin hove the ship too heading to the Eyes Middle fourt The same Tatter part at 6 A.M. set The faretop suit and foresuit and source top sail Let by des 42.19 hort Long they Date 54.40 Finday First part Strong gales from the N by 6 Steering 6 by of the march this under double seef toprails and foresail the wated The 30 Emplayed in ships duty middle part shook the seef out Lat by Obs 42, 40 herth long by D. K 53 u 12 West Saturday Hist part Strong Breeze from the My 6 thering 6 hig & marth The spip under all beceforery suit middle part look the 38 On our top gallent sails and ruf the Topsails Lutter part henry gales from the N. E by & at 12 A. In closed. Lat by Obs 43. 01 horth long by D. 1 51. At West Sunday First part heavy gules from the Noby & at I P M April Hove the ship too heading to the I & by & at 4 PM the 1th Hurled the main topsail and unbent our foretofornor Staysuit and set it for a close miser And of hir gust of wind futten fort at 9 t. An set and francial and min topsail and fore topsail steering 888 501204 Lat by obs 4216 months long by DE

Remarks on Board of the Ship Hercules bounces to Amotor Cas Wille Howland Master [49] Menday Hist part Strong Brever from the S. S. E Steering to April The S.S.E the ship under double reef top rails wind fore the L' don't Middle part shook the refract of the topsails and Let the top gallent sails Latter part winds friend the If If W Sturing &'s the watch Engloged is ship duty Lut By Ohr 43.09 harth Long 1542. 13 46.12 West leaunday First part Strong Breezes from the W. W. W Steering Ely S April of ship under get herefrany sail the watch compleyed the 3th in ships duty at & P. mo done Truf the topsails briedelle point heavy squalls and nainy weather Latter part Much the same Lat by D. & 43"30 Month Hedreeday First part Strong Breezes from the Will Streening April Eby of the ship under old metersary said at the Streening the Heavy squalls middle part much the same latter The ships under alle sail the watch Employed in ship. Lat by Obs 44" 29 Long by D. 10 41" 06 Wester First part Brisk Brewer from the N by Wand pleasent The ship under all sail Steering to the East by South The world any loyed in ship , duty middle part light The westward and clear weather to Est First part light winds posed the S. H Sheering to The 6 Employed in stips duty middel and latter parts Light winds and harry Whather Ond ship in sight

Comarks on Board of the Ship Hereules Ap 6/430 Taturday Hist part light winds and harry weather the April This under all sail Sturing & i I the watch the I Comployed in ship, duty Middle part light winds And folgy Latter fourt fresh Isreere and cloudy Late By DIE 46 A 9 horth Long By DIE 384 10 These Sunday First part fresh Breezes from the I by W Steering by April to the & I'd the ship under all sail the weather the 3th Cloudy and reme rain the weeth Employed in Thep, duty Middle part light winds and feggy wither Brain latter light airs from the I by & to to the the hours Lat ling Obs 47.19 horth Lorey By D. R 38" Ba West Monday hist part light winds from the I by & Steering by to the Find Ely & the ship under all sail at 4 Pm the wind The 9 Haule into the St. & at 3 Pm took in our top galler Juils and close reef and toprails at BPm saw one Brig off our weather bow Meddle part the same Latter part at 8 As IN shoot a reef out of and topsails Saw a Barque off our rocather bow storeding tothe Wis Lat by obs 47. 28 horthe long by D. 12 L& 106 West Teausday First part Strong Breezes from the NE by & Steering April By to the 888 the ship under double ref top suits The 10 The weetch Soupleyed in skips duty Middle part Shook The reef out of the toposils and set the top gallent out Sails Latter part light winds and clear weather Lat by Obs 46"55 horte Long by D. R Lou 43 West

Remarks On Board of The Ship Hercelles April the To Wednesday First part light winds from the Eastsward at 1Pm Hove the ship in stayer Steering by to the S. E the ship The 11th Under all sail the watch amployed in ships duty Middle part light and cloudy Latter part Strong Brees The S.S. & Steering by to the Ely & Jaw one Barque of our Las board bow and pased 4 Brigs Standing totte Wistward Lat By Obs 48"16 horth Long By D. R. AR 5"38 West hunday First part Strong Breezes from the S.S. & Steering by to April The Eby I the ship under alle sail the watch Empl The 12th oyed in ships duty Middle part Bisk winds from the South Latter part light winds and pleasent weather-Lat By Obs 48" So horth Long By D. 12 20"42 Illest Thirday Hist light winds from IS & Steering by to the Bby I the April This under all sail at 2 Pm umbert our foretopsail The 13 And bent the old one the all hands Employed in ORepairing the ship , sails one ship off our steer bourd bow Standing to the Eastweard Muddle part light winds and Calms Latter part light airs from the S.E at 8 to. 110 Stoke a franch ship bom to Howe do Grace Lut log obs 48.13 horth Long by D. 12 19:50 West laturday first part light from the S by & at 12 Mer hove the April In stays Steering by to the L.S.E 4 sail in sight Steer Her 14 ding to the best ward at I I'm sent our traintof thattant Main Troyal Mart up and Mains voyal Middle fast light airs and calins Latter part the same At 8 00 m rigged aut our flying jibb boom and It the flaging field 4 Sail in sight Standing To the Eastwerd To Ends this 24 hours Lat by our 49"39 horthe Long by D. 10 19"08 West

Memarks on Board of the Ship Hucules for Muster dam Oup' William How land Muster Tunday First fast light winds and calms from the S. by te April The ship under all sail Steering I day & the worth the 15 Employed in ship, duty middle past light air and Theasent weather Latter part Much the same Lat By Obs 49"37 North Long By D. 12 18"19 665t Monday first part light Boures from the of by IN Steering by to April The Soby & the ship under all sail the watch Employed The 16 Cho ships duty 4 ships und one Brig in sight all stand To the Eastward Middle part Strong Breezes from the S.J.W Latter part at 12 A. And the wind hauled to The North West steering South East by East Lat by Obs 49"22 hort Long by D. B 14" 12 East Deansday First part Strong Breezes from the N. W Steering to. About the So by & the ship under all sail the water The 17 Camployed in stip, duty are ship off our starbourd. Is an Funding to the 12 by & Middle point the sure Latter part at 9 so me the wind hould round into the ISW two ship, r off our lee one ship a head Lat by Obs 49" & O horth Long by D. 12 1100 West Michaely Hirst part Strong Breeze from the IS W with rain and April Tog the ship, Sturing to the SE by 8 to ender all sail the 18 at 4 1. m took in our topgallest sails buddle Part took in our topgallen sail and ref the topsuits Latter part the wind hauled sorto the St. M. W Steering East at 9 Am There was 15 Sail in sight stering & Lat by blo Long by D. 19 5. 26 West

Hemarks On Bourd of the Ship Hercules April 18 Thursday Hirst part Strong Breezes from the A.S. Il Steering Abovil bast the ship under all sail at I Pm saw 14 ship. the 19th tell standing to the Eastward at 39.000 made citys Bearing & Ely & at 5 Mude the lisards Bearing 6. N. & Middle frast and latter parts the same Latter by Obs 50"11 /horth Long Friday First part Strong Bruses from the W by & Steering April Eby of the ship under all sail at 4 9.m It allders the ho Hear Bore by Computs North at 3 ? In doole a taxel Tilot on bourd the weather cloudy absent off Portland Baring N SV & distance & leagues at 6 1. m heade The Tale of white bearing a No Middle part Sturing up Charenel Latter part at & A. In made Benchy head light Lat by land 31"8 horth long 1"19 East Laterday First part at 1 P. m I take my Departure the South of the Steering East the ship under all

Remarks on Board of The Ship Herches May 11 Homeward bound Partage from tendend to The Helf MOOK This Heidand Sheway Auruay
This Herchaes New Button 97.0 Received the

Remarks on Board of The Ship Hereules in the year Viriday First part light airs and chlors Steering to the Many Why A the ship under all sail the wester Engloged He 13th In ship saily middle and Latter parts the same Lat Bay Bbs 49"12 pronth Long by D12 6"00 West Saturday Hirst part light Breezes from the Eby I with pale May my clouds Sturing to the WEN the ship under the 19 tell sail at 4 Pm paped an English hours Troggett boured up the channel Aniddle part Throng winds and cloudy Latter part took in our Studingsails and top gallast sails Lat by D. 10 48 "30 hort Long by D. 10 10 .. 50 Thurday First part Strong Breezes from the ESE and vainy weather Many Oftering to the Wil With ship under three topsails and the to Main top gullant sail at 3 4, m set the fore and mirer top Gallant sails at 12 Midnight wore ship and sturing South at 1 Am were ship Sturing May IN Latter part light winds from the Il Steering Il. Why Il Lut by Obs 48. 20 horth Long by D. 1. 11. 30 West Monday First part Brists Bruses from the Why of with passing clouds May The ship Steering by to the N. W with all sail set to the best the 11 Advantage the watch Employed in ships duty Middle Part clear Latter part light winds and fagy and Barque off. Lat by D.10 49.00 houth Long by D.10 181. 20 West Secundary First part light winds and foggy from the Why of Steering May the By to the N W the ship under all sail the watch Il the Employed in ships duty middle and Latter busts light Whinds and foggy weather the wind from the W by I-Lat by D. for 49.50 houth long by D. 10 16 " 10 West

Wemarks on Bourd of the Phip Herchues homeward bound Wednesday First part Bristo Breezes from the ISW the weather chouchy May the She ship under all sail Husing by to the Illy N the 23th Watch employed in ships duty at & 9 m spoke the ship Atlanted of Liverpool from broited bound to Liverpool Middle part fureto the fore and Mirin top gallant sais Latter part Strong winds and thick and squally Lat by D, 12 48" 50 horth Long by D. 10 19" 42 West Thursday First part Brisk Breezes from the & Wig W the weather may Cloudy the ship under all sail steering by to the W the AH. W. The watch employed in ship, duty are sail off Our weather bow standing to the Merterand Middle Part the rame Latter part Strong winds from the WIW Lat by D. 1 49"20 houth Long by D. 1 41"39 West Inday thist fart Strong winds from the Why I with thick May Meather the ship under all sail teering by to the the 15 North West is W the water employed in stup duty Medale part at 10 Pm ruef our toprails at 13 to An Shoot out the ruef, and set the hours top gallant sail At I A. In set the force and Mirin top gullant sails Lat by D.10 49. 60 Long by D.10 14.16 West First part Strong yales from The Sby Wat 3 P. And Claturday Closed Reef our topsails at 6 P. m took in the main May sail and foretop sail and thisin topsail and hove The ho The ship too heading to the Westward Middle part Heavy squalls Latter part at 6 to Mil Set the foresail and Mixin topsail at 9 to Me furl the foresail and mirin topsail Lat By bbs 50 19 horth Long by D. 12 LI" 38 West

This Herchies from Amsterdam toward New Gedford Tunday too heading to the N. I at 4 1. m set the foresail and May the Hore and Misin topsails the weather Move moderate 27 at 8 P.M Wow ship to the South westward the weath Squally and a head beat sed midelle part the Sumo Latter part at 6 Am shook a reef out Of the main topsail at & to M set the main sail And Jibb at 11 pufsed the Thitty Tom of Duxher A word ho one on board Lat by ob 49 +37 horth Long by D. 10 27 "08 Monday First part Strong winds from the N. Il the ship under heary Double at relf topsails foresail and mainsail fibb and the 18 Spanker Steering to the W. S. W the watch employed en ships they middle part set the mainto, gullant Jail Latter part the wind hauch to the I'll hove The ship in stays and stured to the N. Wat & Bin dock in the mainto, gallant sail to Lat by D. 10 49" 10 horth Long by D. No L'T. 40 Hert Leaunday First part strong Gules from the I.Wat Pino double May the Reeft our to sails at 3 PM closed reefs and took in 2 9th The file and spanker and prainsuit Steering by to The N. W the weather squally with rain the watch Comployed in ships duty middle part furled the fore Hordo Mission toprails Latter part at 3A. Mr shook a reef Out of the topsails and set the Inamount and gebb Lat by D, 10 48.41 horth Long by D, 13 Lq. 14 West 14

The Thip Herouser Thom Histordam toward, Newsedge First part Strong winds from the Why I the ship under doubte Ruf toprails foresail mainsail jetel and spirker steering by To the MI by of the weather thick with sain the watch Employed in ship duty middle part Anuch the same latter part Lat by the 49: 47 houth Long by D, to the SWE West Kint part Strong gales from the W. N. W the ship under double Reef Top sails Steering by to the SW by, Whe weather squally The watch are played in ship, duty at & PM shook a very Latter-part more moderate at 9 Alon Let ought all Wish and made all sail fat by block 8 " 8 gh long 31.38 First part light winds from the N. W. W the ship under all Sail Steering by to the Wa Nat 3 P, m culm the water Employed in ships desty middle part at & Prova a Breeze fre. The IW. by, IP 9 Aho suft the toprails and furle the top galla dails tatter hart let out the rule and set the main top galler, Sail lat by obs Long by D. 10 34" 20 West First part brish winds from the WI We ship under all rail the weather foggy sturing by to the Why N By, WI had bet seed at 6 P. In carried away the shatest If the fore toprail shot at the same time single neef our Toprails at 12 meridian closed veef the toprails and fund Hose and Mirin topsails and Mainsail Lat by Obs A Tall horthe Long by DIE 36" 30 West

This Hercules Thome Honotedans Cowards four! Tunday June the 3 th Heist part Strong winds from the N Way N Steering It by As The ship under single ruf topsails and main top-gallant sail The weather cloudy . The watch trup loyed in ship, duty At 4 Pm the wind how led hove to the westward the ship Steering by to the Weby of heiddle part the weather hove moder ate Latter part the wind handed hiore to the South at 11 of Man? Colin Lat by Fork 46.41 Long by D. 10 37. 52 West Hist part calm at 19 m the ship heading to the May West At 3 P. In light airs from the N. E. Sturing to the WWW At 4. Pro the wind hauled to the & by I the while under All sail the weather foggy with rais middle part Strong Winds from the Cartward Latter part at 4 A, In the fore top hast Atturneyswil and the main top gallant starragrail the wind by & Lat by Lot 15.11 horth Long by D. 19 39.18 West Seaurday June The & the First part Strong Breves from the Sby & the ship under all sail Sturing to the Wby NEN the weather theck with rain the watch Employed in ship, duty middle hart much the same Latter Part Strong winds the S.S. & the weather thick and vairy one Brig In sight Lat by 2.10 45"08 hort Long By 2.10 48 18 West Wednesday June the 6th First part Strong gales from the S.S. & the ship under all sail Steering to the Weby Na Who weather thick any rainy at h I'm took in the fevelop must steeringsail and the mixen Topgallant sail the watch Employed in ship, aluty middle Part at 10 1. In close suf our toprails and furded the fore and miris Topsails latter part at 4th, and set the fore and his in hopsails And snainsail at b A, MI shook one very out of the topsee The weather cold and foggy with spits of runda heavy sed Lat by BBD 45 well 6 North Long by 2/0 46.08 West

Thursday June the 7th 1832 First part of these &4 hours comes in with the winds from the I, 20 The ship under double ruf topsails mainsail gibb and spank The weather thick and cold at 19. in made a sail right ahead stoneding to the westward at 4 Pm came with her And spoke her She was the English Brig Princeleboo of It Johns New Bound to the war from Liver, ook bound to Thew york 41 Days out Middle and Latter farts light airs and foggy see Weather with rain and cold Lat by D. 10 45.18 horth Long By D. 12 47.00 West riday June The 8th First part of these It hour come in with light winds from the I. S. W the ship under all rail the weather thick and rain, and very sold metaling replacement there is the towind wan Middle part light wiseds and foggy Latter fast at 3 Amo. The wind houled to the NW it 4 AM how how the ship in Chay sturing by to the Wby I the ship inder all raid wing col Lat by DIV 45"00 horth Long by D. 10 48" 40 West Saturday June the 9th First part of these 14 hours corner in with Strong winds formal of Why I the spip under whole topsails and topyallant sais The weather thick and coto at I I'm saw and island of see Part at 12 midnight saw another island of See to leward it Mas as they to theech and 100 feet high Latter part at & to Double heef our topsails at 9 Lo, he saw town sail Standing To the Carlward the weather thick thering West by South Lat By D, 12 44"31 houth Long by D. No 5 Oalt

[60] Sunday June The 10th 1832 Tist part Strong Breezes from the S. W by Athe ship under Double Reef topsails Herring by to the Wby Sid at 3 9.10 paped 5 fishing Schooners at anchor the writch Employed in ship duty Middle por More moderate shook one suf out of the toprails Latter part At 4 A.M shoot out all refr and set the topgallant sails The weather clear the wines from the AM Mer in by the Wind Lat by the 4h "14 horth Long by Chronomerter 32. These Monday June The 11th Hist part fresh Bruces from the Wby W the ship under all Clail Steering by to the Wby A the weather clear the wester Complayed in ship , duty middle part light winds and pleasent weather Latter part light winels and fine weather Sturing WMW with all Sail Set | Lat By Bby 43. 68 horth Long By D. 10 53. 30. West First part light winds from the N by It the ship under all Sail at 4 1m the wind hauled hove to the North war Steering W.N. W fine and pleasent weather the watch Employed in Ships duty one sail in sight medal fart tuning MIN light Which and fine weather Latter-part calm at 8 to 11 the wind housed anto the MIS Il Steering by to the the Way Wone sail in right Lat by Ohn 12.25 hearth Long by D. 10 55.44 West Wednesday June the 13th Hist part Strong Breezes from the WIW the ship under All sail Steering by to the N by W the weather-cloudy the Hatch me Employed in ships duty at 6 Pm took in the depogallant sails at Pm double west the topsails at the same Cime the band of the main topsail yard parted Latter pert Tronge Gules from the N.W. Hering by to the Wby N The weather thick and rainy one rail in sight Sunding So the westward perford a Prangue ship tunding to the East Hard Late by Der 4h. 47 whorth long by 2.10 36"40 West

Thursday June the 14th 1832 First part Strong Gales from the N. W. The ship under Double reeft topsails at & Am shook out one reef and set The Main top gallant sail Steering by to the Why None said off our weather beam Standing to the westward the wester Employed in ship stuty middle part the same Latter fast At 11 How how the ship in stays and stoods to the N by the The winds light and fine weather a sail off our weather be Late by Obs 41.35 long by D. 10 58.38 West First part light wired from the West by South the ship und alle sail Steering by to the NN IV fine and peasent weather The water temployed in ships duty at 29m but the fore top Gallant sail Middle part set the foretop must thering out and main Topquellant Steeringouil the Latter part the wind hasted to the westerned the weather raines winds light Lat by 20,12 42.08 horth Long by D. 128 59. RO These Saturday June the 15th First part light winds from the A Wby A the ship under all sail thick and vering weather at Life or sent up force and mirin Royall marts at 7 find the winds hauled throne to the north and Eustreard set the fine top must steering sai middle part the winds hauted to the ESE Latter part the ship under all sail cloudy weather with squalls of wain Lat by D. 12 Al " 18 houth Long by D. R 62" 15 Mest Sunday June The 17th First part light wines from the & & 6 the ship, under all said Thick and vainy weather at 4PM the wind hauted hore to the South and westward att & Protock in our Altredin quit and Braced sharp on the wind Middle part fresh Brus at the moridian wore ship and stood to the porth ward How Latter light air and ealour think and foggy weather ing Lat by the 42.13 houth long by D. 12 Sh. 17 West > Truncan Church William Thur

[62] Monday June The 18th Hist part light airs and calms the ship with all sail set Sturing By to the West thick weather at 4PM a Breeze from the Is W Middle part fresh Boure from the I'll Steering by to the WIN 1/1 clear weather Latter part the wind hauled more to the west we Northward at LAM wore ship steering by to the I Why Er Lat by Obs 4h " 14 host Long by Dito 64.00 West Teatirday June the 19th First part light airs and calms the ship with all sail set Steering by to the I Wby Wat I I'm wore ship Attering by to the Notes by W clear weather the watch Employed in ship, duty huiddle part at 10 hight clued up all sail very sharp lightning and heavy Thunder of from the westward at 1 at M set the topsails Sturing by to the SW by West at 4 Am fogges at 10 the Jogg cleared up at 11 to And wore ship and ence Societo West Hedresday June the 20th First part light winds from the That. If the ship with all sail Get Sturing by to the I Wby W. fine and pleasent weather The watch compleyed in ship , duty middle frust light airs and calms Latter part a light Breeze from the WW Wat 12 Meridian got sounding on Georges 45 fatheres Lut by the 41" 62 horth Long by D. 10 67"30 West Cheers day june the 11th First part light wind from the W.M. W the ship with all sail set Steering by to the W.F. I fine and clear wealth The watch Employed in ship a duty hiddle past light airs Latter part eight airs and calms clear weather a Sail in sig ht fatt by The 40.88 houth long by DD 68. 20 West Friday June the 22 m First part calm at In a light from the It South and westward with all rail set at middle and Latter fasts much the rance at 12 Munidian sounded in 5'5 fathers Sant and med and onge Lut by the 41:16 long by D. 10 69 115 Man

Taturday June the 23th First part light Breeze from the South the ship with all sail Set to the best advantage Steering to the NIN by H fine and pleasent weather one ship in right slanding to the Mist Monthe watch Comployed in ship , duty middle and Sail Tet by obs 40"15 horth Long by DR 10.08 The First part light Bouses from the S, Il The Ship with all sail Out to the best advantage Sturing to the NH by W fine and pleasent weather one ship in sight standing to the Westward The water Employed in shis duty hiddle and latter per; light winds and calver To londs there L's hours William Augustin Daniel Milliand Mugarter Church William Augustas Ohurche When born November 16 to 1833 Lucy Anne Church Oct on Paid & Bailey \$16 16 28 how 16 Paid of Builey 44 with

To Hind the time at sea The best method of obtaining the apparent time at sea Is by observing by a fore observation the attitude of the sun! lower limb when vising or falling fastest or when bearing hearly Eon He to this altitude we must add the sumi dimeter and parallex and subtract the dip or instead of these three corrections add 12 which will answer viry well for an observation taken en the deck of a common sized vepel :) subtract also the refraction taken from Jable 9 and the visit ainder will be the correct altitude. The ships latitude but be found at the time Of abservation by earnying the reckoning for ward to that time. The declination must be laken from Jable 4 or from the Nautical Almanae and corrected for the ship's longitude and the disance of the sund from the huridian by table V. Then of the latitude and declination be both horth or both South subtrack the declination from 900 and you will have the polar distance But If one be horth and the other south add the dechination to 90° and you will have the forlar distance. Having the found the correct attitud latitude and polar distance the apparent time of observation Iman les found by either of the three following methods of which the list is the most simple since it does hot require the table of hateval sines all the logarithms being found in table & 7 this method is singlified by Pheares of the table of hours affixed to the table of log sines; in using which you must abserve that if the sine or co sine of the logarithm rought is marked at the top of the touble the hame of hour sas either to he on I me is also to be found at the top and the contrary if the sine or co sine is hearteed at the bottond) · Ephrain Chura Horo

First Methodo todde together the correct altitude of the run's centre the latitude and the holar distance; from the half sum subtract the sun's attitude and hote the remainders here add together the log secant of the latitude this and all the other logs being found in table AT the log co recaret of the polar dist (rejecting 10 in each ends) the log. co sine of the haffe sum and the log sine of the. remainder haff the sund of these four logarithms being sought for in the column of log rines, will correspond to the hour of the day in one of the hours columns Odeample fint Duppose on the 10 of October 1808 real account at 8 h Al ho for watch in the latitude of 310 30'M and long 62 6 from Grunwich by account the attitude of the sun's lower limb by a fore abservation was 13° 32" The correction for semi-diameter parollase and dif 12' Required the apparent line of abserval Dor alt 13"40 Lat Dist 96"34 Cosecunt 0, 20585 sum 161 1144 Casine 9,20067 haff sum 80 1152 s Alt 13"40 Rem 67.12 Sime 9, 96467 Sine 2/19, 37405 9,68702 corresponding to who in the everine hunked Aire is 8 he I he 93 8h ll he Hence the line of taken this observation is Oct 10. 879 to In sew account or which is the rune thing oct 10, 20h The 9 suckening from hour to hoon, the Time by the Nautical Holmanac being bet 9d Loh The 9, the high Lyde Mil Lydia (Howard

xample Beconde Suppose that on the 10 of May 1808 rea account at 310 30 he P. ho per watch in latitude 59. 50 Worth Longitude be account 35° 36' West from Granwich the altitude of the suns lower limb by a for obser vation war 150 45' the correction for dif parallax and reme semi diameter being the this consequently the correct altitude 15° 51- Required the apparent time of The observation The sun's declination was 17. 48 hort which subtracted from 90 leaver the holar distance 71°34 bo recart 0, 11511 Put dist 39.34 sur 128120 60 Dine 9, 63924 trum 6 4 11/0 Sine 9, 9748'9 sun Att 15 "54 permained 48 ml 6 2/19;64773 9,82386 Coverfeeding to which in the column I, In is 5, h 34, ho 26, 8 the how line of day Time per watch 5 h, 30, h Example 3 In latitude 36° 39' South the sun declination 9° 17 horth > the altitude of the sun flower limb in the morning lows Required the apparent time Obsaved 10033 0,09566 65"39 32 98 9,81538 10:33 22 " 05 9,57514 2/19,61935 9185967

Tind as in the former method the sun correct altitude the ships latitude and polar distance; thence the suns concert zerith distance and the complement of latitude then add together the wenth distance co latitude and polar distance from there half their sum subtra the zenith distance and bote the remainder; then add together the log co recant of the colatitude this and all the other logs being found in table I' the log co recount of the polar distance frejecting 10 in each indered the sine of the half sum and sine of the remainder, half the run of there four logarithmer bing found among the log co sine will correspond in one of the adjoined colomns to the time of day I'm Latitude 31° 30" The sun's declination 6" 54' 90 .. 17 90.0 13:40 51.30 6.34 38.30 161134 76.20 38"30 0, 20585 96,34 0,00284 211424 9,98340 105"42 9,69056 72.20 49,88275 29422 9194137 Oxample Gecondo In Latitude 39. 5H the suns declination 19° 28' the altitude of the suns & & 150 54' 90 .. 0 90 " 0 9000 39.54 15:54 17.25 74 11 86 72.33 50116 0,11511 72 132 0,02050 196 444 9,99538 981122 9161382 74" 6 9,74478 24 16 9,88239

of 42 23 and Richmond Virginia of latitude is 374 hiles what latit [68] in the lat of 37 30 North wide is she come to 59"27,0 42"23 N 6.14.5 get in 65"41 1 4 153 In hiles 295 A ship from latitude 289. 25' North Required the difference if latitude sail south 1800 miles, what latitude is she in From diff of lat 1800 between Georgetown and Case Frio Georgtown lat 33" 26, 1 18.45 Diff tot in 1:35 56 126 miles in 3386 On the last Example it is wider that as the difference of lateted is more then the latitude lift the ship hust have crossed the When one of the places has to latitude or is on the equator The latitude of the other-place this difference of latitude What inthe difference of longi et ship from base Charles in Bing touche between Cape time lightimes suites eastward tell herdifference of lengitude is 400 miles house and himbon 70 "34 M what lengitude is she in 9119 Long in 69034 4 6/ 425 Aniles 36852 12019 34473 68,93

Merchandise of Taylor & Lethrop

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6/25 Struman of Church had of the felles one barrell of flow 8,50 6 Ms of Butter at 252 1 " 50 6 lb of coffee at 1 1/2 lb. 1 "1 00 av 450 1 quart ef ail 28 prign 594 Ms ef Butter at 25th 001128 1 11 44

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Invol 11 the Received of b Hitch \$ 10 00 Seb 1837 Commences Work for brances White 7 90 Freeman Johnne Hetch march 7 141 march 28th Stad of William Gifferd 6 Sounds of coffee teal a Found of 9'4 Tounds of Butter A Gallen of Molapes 8 Founds of Chiese 16 Dounds of Sugar? -A Both April 1 Burnell of Flour Ename & French. 11

Journels of Coffee - - - 1 00

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John Ming Jo Assessman & Thunch De Jan 12 to 3 yards of I Duch at 14 9 80

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Aprit 10t / Barrell of Flour from Evane & French Aub 27 The Charles Hitch to Freeman of Church De Murch 11 to heceived of & Hitch Each Inword 200 Had of William Gifford Solor of Leffer
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4 16 bbs of Jugar -260,73 25 5,4573 1 Gallon of Bil

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Premand of Church - So Dillingham Dw 1832 Euly, 18, To 1 Hat _ _ _ Dio, 21 - 1 Mo - Payment 1832 Many 10 the Sout ford boots 6 "00 17 Thunding hood & 7 100 Dec 14 1 por Book for Brother Lul's por rubbers 1.75 4 " vi 1838 In 5 footing boots ____ May 24 6 By bast Red Payt 141100 Fruman & Church To Phillips & Russell De Aug 30 How /2 Bush Salt Sept 5 " 1/2 Bbl Clear Fors Oct 6 " 1 Knife _ 10 " 1 Bottle Blacking \$ 1219 June 25 - So 1 for Grench Drill parts _ 3 175 " 1" Olicia -- 11 -- " 3, 15 28 11 11 Linen Gloves 35 July "T" I" Moron Car Bucker -2 25 Bet " " Lys Yas Mil Cafe @ 1622 4 85 1 75 How 28 " La firs Garage Sorks 1 00 1 12 To Patienas 13'148

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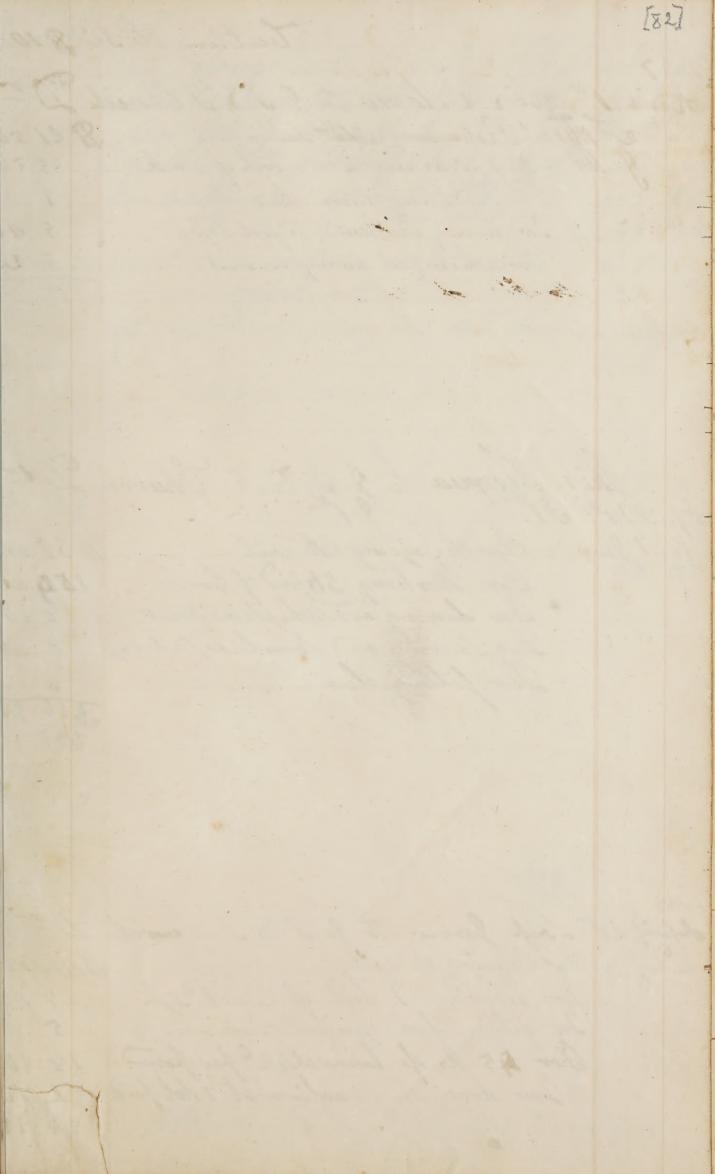
Had of & Bailey & Son & gallons of Modafres 45 per gallen 00 90 I gallen of bit I dollar per gallen \$ 2 00 15/4 lbs of looky 15 her lbs. 1 69 5 /4 My of Jaap 8 per My -Ov 43 60 50 8 lbs of Buff at & per the 1.72 2 gallons of molages - at 44 per gul · 641 1 40 I Load of Mord Containing & flet Soul of the Gibbs 1 I Barrell of flow -8 8 50 6 Sounds of Butter at 25° 50 I Round of Lea at 50" 5:0 I Guart of Cil ____ 28 54 Jourds of Butter at 25 44 Il Tounds of Cheese at 14 from the 54 I Sounds of Jea _ at 50 " 60 To Eash ___ 50 ev To least, -20 00 6 Yourds of coffee / 1 Barrell of flour 00 The Box of raiser -57 I Sound of Ginzer 17 10 12 00 10 Sounds of Butter at 45 pm the 511 v.V. 2 Gallons of Modafres est 15 he gal 90 2 Roard of the er

28 Pounds of Butter at 15 pirth . 3 7 00 14 Pounds of Engar ____ at 12 . 3 at 121 The Sound of Enimon Libbs Cet a So one barrell of flour ---June Had of James I Church 15 format of their

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Friday In [80] Barque Whip Jaspen In repuring old Juis 291175 In 16 lbs of twine at 45 per Ms 10 To behiping and serving in points -94 To folling foots and cleres, Do morking 11 boths of duck at 2"50. 50 2.7 50 Ded 13 Deceived of James I Church back 35 Preceived for Rags -8 45 NO June 1 no to bash L 5 50 strug 5 50 to bush 25.41 9841 18041 25"41 157 157 64241 157 . 190 504 04 057 170 334 4 50 97852 of Kome Heller Rays 163h pounds at \$4125 & per pound 69 11 36 Ropes 865 No at 1 25 cents from 10 . 81 Thakirs 45 on at 3/4 cents Trago 267 pounds at 4" 25 8 for fr.

1837 South at Gibbs Bushil of Meal April 58 So I lege of Raison 10 Hourds of Rice 10 pounds of Joap 9 pounds 12's frames' 6 pounds lofe horte I pound of beef at 12 his pound 84 pound of hice at 5 C Il pound lef Befr - at 116 20 15 hound of Butter at 15 6 75 1 Gallon of Oil 10 18 pound lef tea 5/4 pounds of forte at 14 73 2 pounds 2 Gallers of Andofres Soap at 10 herh



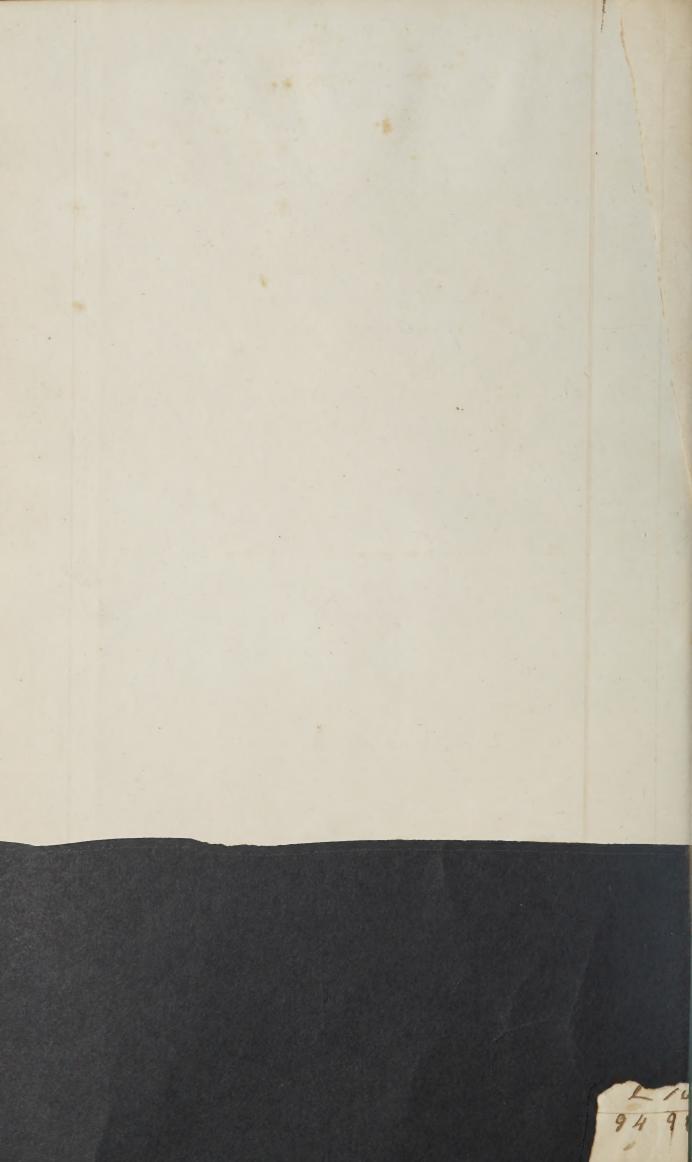
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[88] Communice! 5 25 2 Mule 6 d 5 week 17 6 89 6 dans 4 meets 7 50 week 6 2 3-6 5 mural 50 Earn & 1439 first week & days week 5 days 50 week 6 days week 5h days week 5th days 67 31 week 6 days 2 d 101 10 miet 5 days at 10/ 33 Il week 6 days 00 weils 6 days week By Nurs 15 14 10 3/2 days 15 week 16



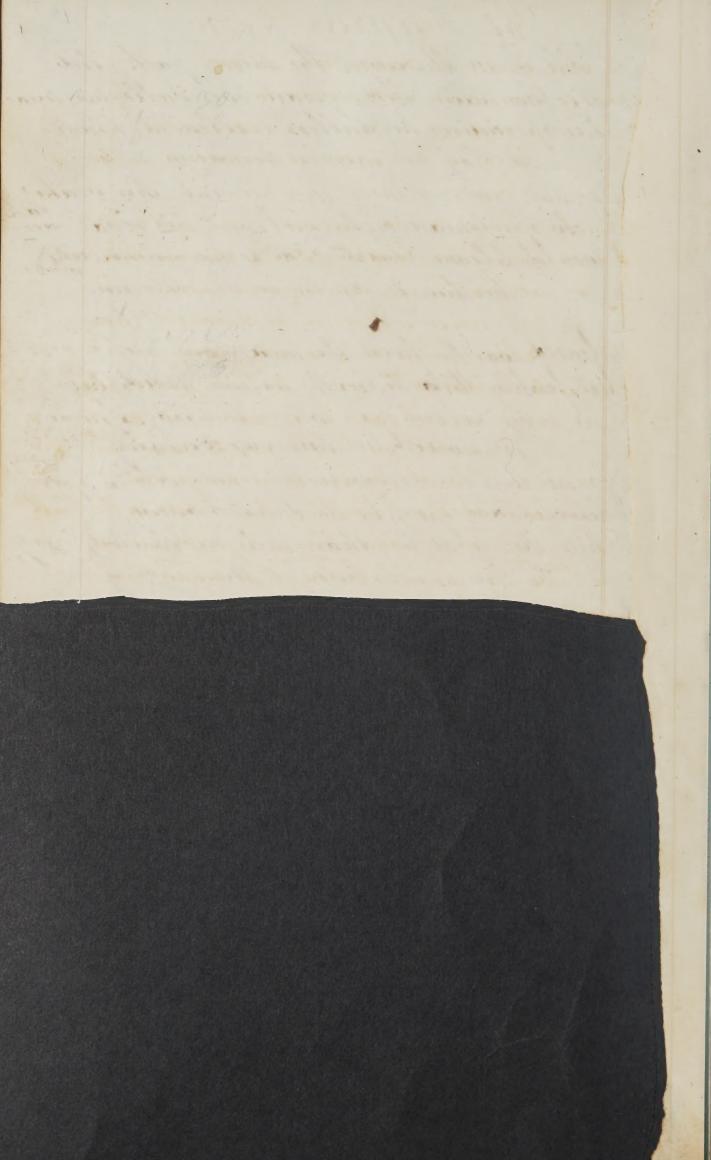
House Rent Commerce Stope 1639

Joures for Sugar 20 10 por de ginger 16 gallon Gil 11 pourds Joap

[102] bushell I Mucal to pook R much peck beens gallon Oil Us of purk at 120 Mrs Coffee gallons melapses Mr Bestler Ms land. Us flow at 15 cents fulls 16 Dex chairs Gallon Wi land 2 Ports Wi fatter 2 lls chease 1/4 14 Chover pth saleratus

8001100 I knew my father's chimney top Though heaver to my heart thereige Ands watched the blue smoke recking up Detween me and the winter sky Wayworn I trace the homeward truck My longward youth had left with joy Unchanged in soul I wandered back A man in years in heart, a, boy I thought upon its cheerful hearth And cheerful hearts untainted glee And felt, of all I'd seen on earth This was the dearest spot to me The hardy sailor braves the ocean 68 64 29 50 Fear les of the rowing winde Let his heart with roft emotion Throbs to leave his love behinde Do dread of foreign for a stranger Though the youth can down the some Alarming fears paints every clarger In a rivel left at home Euro 26 Received . 5 clother Euch 10 dollars 1 Burill flows mara gt book of wollan 20 butter 211/ at 21

The Hunter Horn Swift from the covert the merry pack fled While bounding there sprang over valley and mine Wide spreading his untlers weeled his head The stag his enemies scorning Oh had you sun them thro lorvent thro brake, Cacho sportsman right gallant his rivat race Twould please beauty lar to have heard wake To the hunter home in the morning Cleared was the forest the mountain passed over Let freshly there viders the willing steeds bone The river rolled deeps where the stag soumed Jet owned no timorous warningto To close was he followed the four where he spring Encircled and sparkled the coursers among While the dogs of the chase their hude melody meny To the hunter from in the norming



[106] The, where in this cold, barnen desert avound shall a home for the slorm driven spirit be found Some green runny shot, by no cloud danken out Where each wild wish reporting shall hander he have Ah where shall the care Tortured heart find a home Chright beauty may tempt us with song and with smile In her tose mantled arbour to linger awhile But an hour searce is fled we her charmerall decay And the fabric of blifs falls to ruin away Home. Ith tis hotel with beauty the heart fines a home There the tear still will fall and the heart still will How see where the dust his on armour and plume And the moth cankered standard but doops on the touch Home O lis hot in grandeur The heart finds a home Shall me vire up and harten at pleasure touch call Where the lamp glitters bright in the gay fertal hall There The brow still will ache though with werer ter boisend And the dark spirit still for a home will look vound Home Olis hot in pleasure the heart fines a home And even in that circle the deavest are earth 104475 There the first hallow feeling of childhood have bisty I The glance of distrest and the wild theolo of care 8 174 Home Will the love heart that it, home is not there Othere is but one spot whence the thoughts back will With the green dive bough as the signal of home Sotell that the deluga of sorran is part And that verder appears over the dark waves at last Home for there still is a spot suchere the heart fairly a home Is there in that land above the bright stony shier Where the beine hever tothe bloom hever dies Where ho death e'even blast where he caves hever comes of the only in heaven that the heart finds a home

Mary Holieu ye ling line winds that feeble blow Why thus impeder my way When Many Mount my stay For when she bid me lust adive The droped a teur and critic be true Shough wide be distances as the poles Though furiefs billows forme et no lighting blaise one every side No distant time nor storm The sene can vanquised from my vine When Mury weep une cried adies And as the mid night watch i kup I view the sparkling seas While Found my thefsmuts earles sleep I fondly think on the elemenationerce paints her last action When Many weep and cried be tour I take my airey stand My Chying eyes I oft times turn I vain to look for land Dejected I rejoyn the crew Estato fondby pope my many true. Thow then ye gentle pleasing gales Once here auspisions prove Come swel the bossom of my sails to no waft. In to your love Shouse in hear alone Tall toils action

1 11111111111 in a dame of the second die towner dance could not to be a it does not the contract the second of in the operations were a the sure was the same of the same of the state of the second of the second of of the said well to and the said the men green conserved in 11 feeles in to a most an install and dead to make the former over the sett something of the the the same of the sa and investigated in our said and diene and the second second second and the second s

The Cmblemeglow Ah say can the morn carting gail Waft me from the about of my home Ah say have I slill to bewait Misfortunes have called me to some In vain pieve I, taested lifes charmes In the bossom Triendship and love Don't how I am forced from your alius The wide trouble ocent to forme The day how downs in the east The landscape its twilight I view The bries gently blows from the west Sweet breis to waft me from your The saw spreads her luce ed avang The tune is suny yeo hea yeo Sour andress is hove short and amay I am hured to bid your advice Adiew to collumbias proud fields Adiew to her daughters she bone Adiew to her sons that ner yelds obdien to humanity shore Our curves is set to the bries. Our sighal is waving and full For I must away to the seas Sweet fimbling of love face the well

